RIC 2003



(Session F5)

Breakout Results/ Feedback

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Panelists

- William Kane, DEDR/EDO/NRC
- Bill Borchardt, ADIP/NRR/NRC
- Brian Sheron, ADPT/NRR/NRC
- Michael Case, PMAS/NRR/NRC
- Hubert Miller, RA/RI/NRC
- Luis Reyes, RA/RII/NRC
- James Dyer, RA/RIII/NRC
- Ellis Merschoff, RA/RIII/NRC

Overview

- NRC Performance Goals
- Reactor Arena Performance Measures
- Performance Results Regulator
- Performance Results Industry
- The Future
- Results of Regional Breakout Sessions

NRC Performance Goals

Additional stability for the agency is provided by continuous focus on, and evaluating new challenges against our performance goals:

- Maintain safety and protect the environment
- Increase public confidence
- Make NRC activities and decisions more effective, efficient and realistic
- Reduce unnecessary regulatory burden on stakeholders

Maintain safety and protect the environment

- Industry trends in safety performance
- Events identified as significant precursors of nuclear accidents
- Radiation overexposures that exceed applicable regulatory limits
- Releases from nuclear reactors that exceed the regulatory limits
- Physical security breakdowns

Increase public confidence

- Milestones relating to information for measuring public confidence
- Public outreaches
- Agency allegation program effectiveness assessment plan
- Issue Directors Decisions under 2.206 within an average of 120 days

Make NRC activities and decisions more effective, efficient and realistic

- Milestones in Risk-Informed Regulation Implementation Plan
- Complete at least two key process improvements per year
- Complete all license renewal application reviews within 30 months

Reduce unnecessary regulatory burden on stakeholders

- Specific milestones to reduce unnecessary regulatory burden
 - Identify activities with greatest impact

Performance Results - Regulator (Reactor Safety Arena)

For each of the four performance goals:

All performance goal measure targets were met

Performance Results - Industry

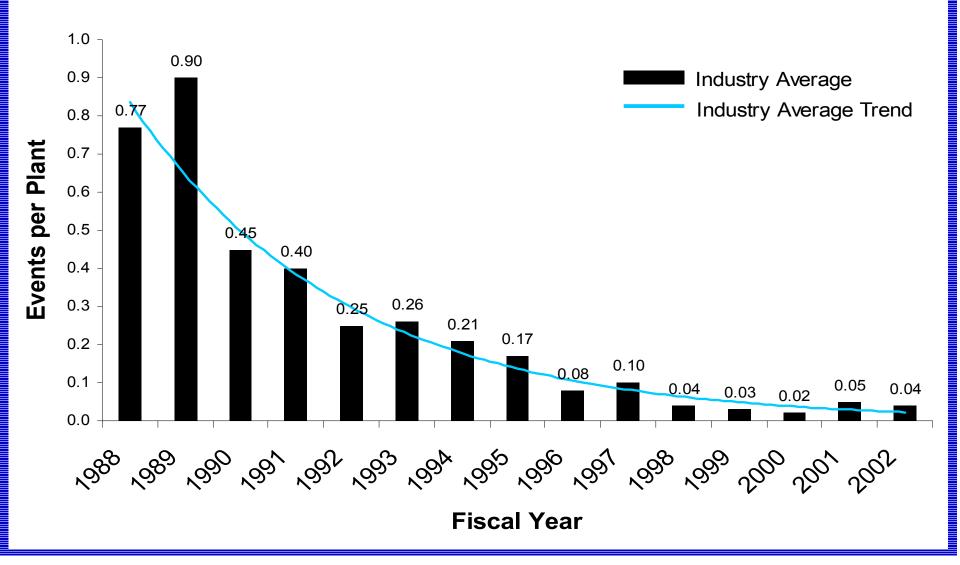
Industry-level performance indicators:

Significant improvement in performance over past decade

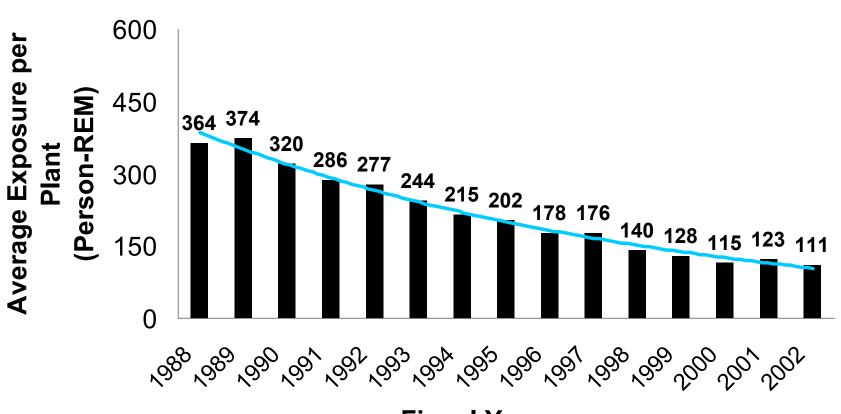
Individual plant performance:

Trending by Reactor Oversight Process results

Significant Events

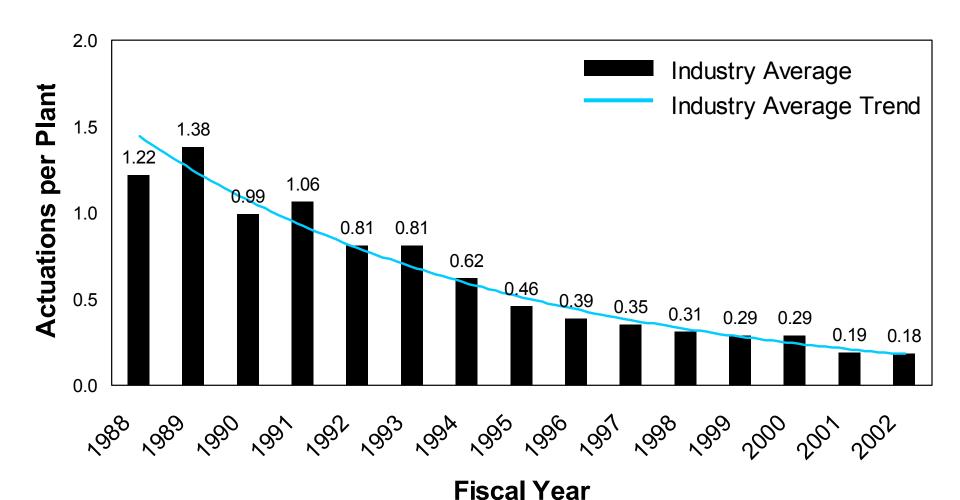


Collective Radiation Exposure



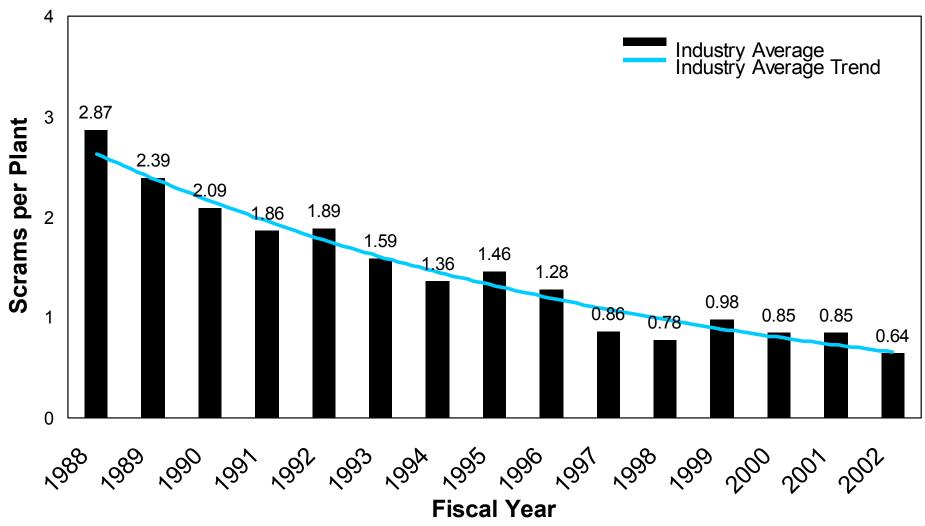
Fiscal Year

Safety System Actuations

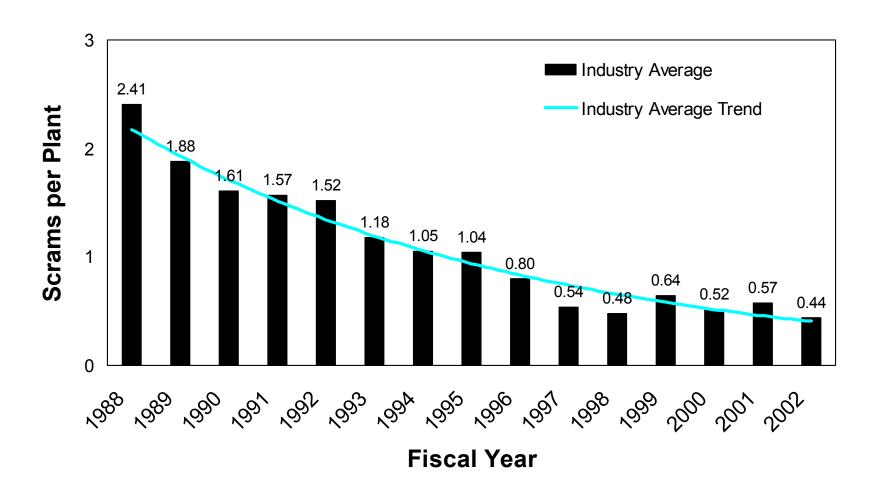


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Total Scrams While Critical

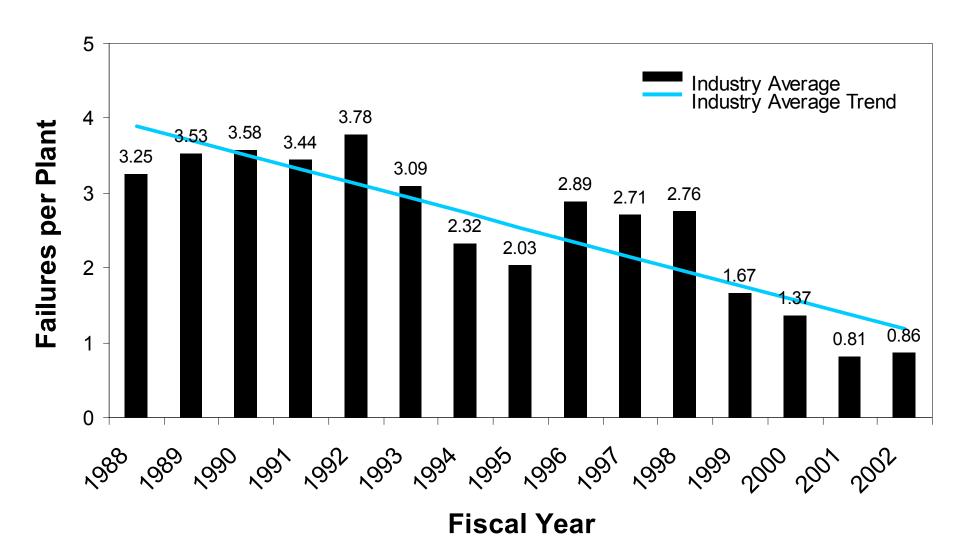


Automatic Scrams While Critical

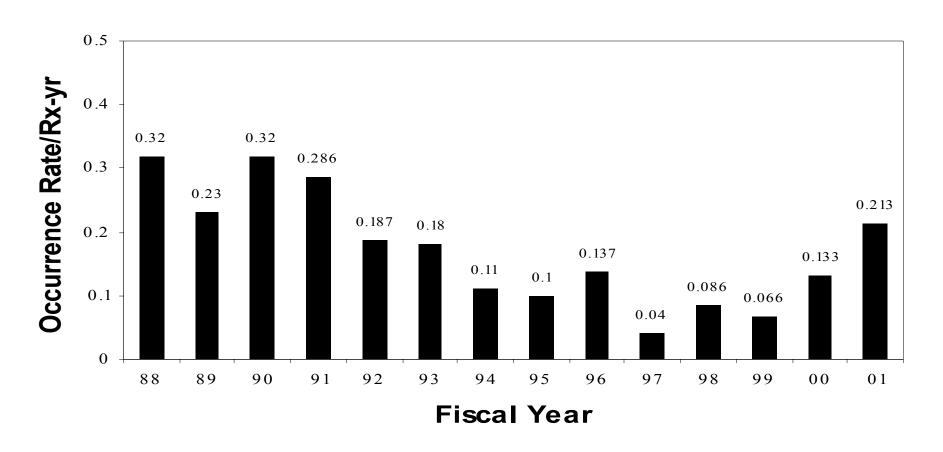


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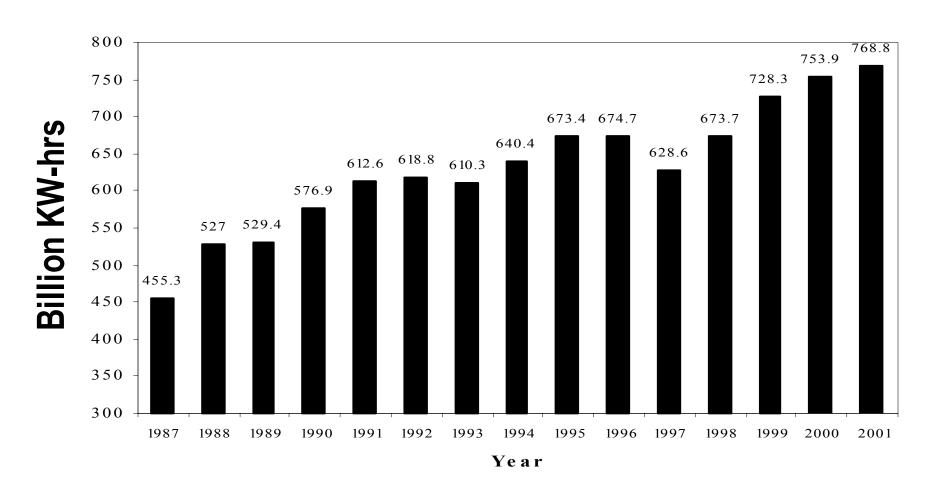
Safety System Failures



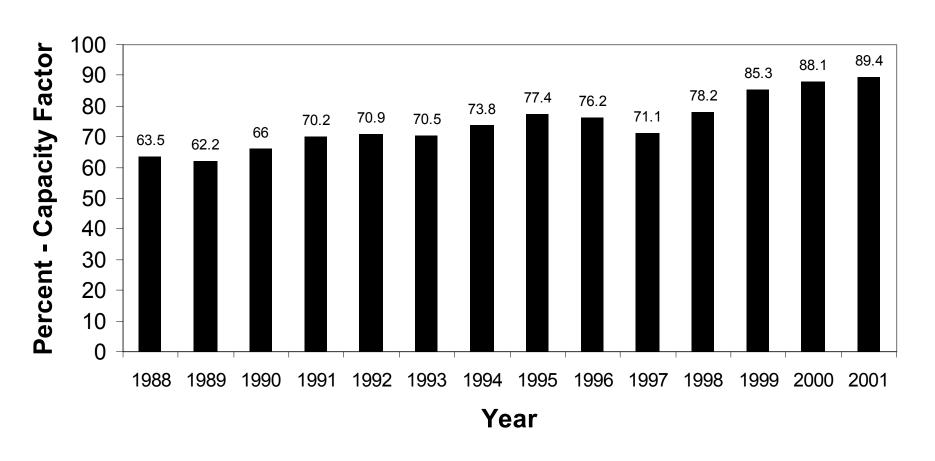
Precursor Occurrence Rate



Nuclear Power Generation



Average Capacity Factor



Results Summary

- The improvement in the safety record of nuclear power plants has been a result of the combined efforts of licensees and the NRC
- External stakeholders have had valuable input to our processes – contributing to improved performance as a regulator
- Noted increase in Accident Sequence Precursor Occurrence Rate over last few years

Regulatory Performance

- Critical Self-Assessments
 - Davis-Besse Lessons Learned Task Force
 - Significance Determination Process Task Group
 - Operating Experience Task Force
- Seeking Continuous Improvement
 - Implementation of new Process Improvement Program (PIP)
 - Improvement Initiatives:
 - Work Planning Center
 - Maintaining Human Capital
 - Roles and Responsibilities Review
 - Quality Initiative
 - Involvement with International Community

The Future

- Power Uprates
- License Renewal
- Reactor Inspection and Performance Assessment Program
- Risk-Informed Initiatives
- New Reactor Licensing
- Continuous Improvement of Regulatory Programs/Processes

Results of Regional Breakouts

Regional Administrators:

- Hubert J. Miller, Region 1
- Luis A. Reyes, Region 2
- James E. Dyer, Region 3
- Ellis W. Merschoff, Region 4

Guest Panelists:

- William F. Kane, Deputy EDO for Reactors
- R. William Borchardt, Associate Director for Inspection & Programs, NRR
- Brian Sheron, Associate Director for Project Licensing & Technical Analysis, NRR
- Michael J. Case, Director, Program Mgmt, Policy Development and Planning Staff, NRR

Conference Closing

- Thanks for another great RIC!
- Feedback Forms
- See you in 2004!